

WHAT IS CLAIMED:

What is claimed is:

1. A kit for the identification of a diabetic patient's genetic polymorphism pattern at IL-1A, IL-1B(-511), and IL-1RN associated with increased risk of sight-threatening retinopathy, said kit comprising:

- a) DNA sample collecting means, and
- b) means for determining a genetic polymorphism pattern for IL-1A (-889), IL-1B(-511), and IL-1RN.

2. The kit as set forth in claim 1, wherein the means for determining genetic polymorphism pattern comprises at least one polymerase chain reaction (PCR) primer wherein the PCR primers is selected from the group consisting of:

5' AAG CTT GTT CTA CCA CCT GAA CTA GGC 3' (SEQ ID No:1);
5' GTA CCT TCC GAG TAT ACA TT 3' (SEQ ID NO:2);
5' TGG CAT TGA TCT GGT TCA TC 3' (SEQ ID NO:3);
5' GTT TAG GAA TCT TCC CAC TT 3' (SEQ ID NO:4);
5' CTCAGCAACACTCCTAT 3' (SEQ ID NO:5);
5' TCCTGGTCTGCAGGTAA 3' (SEQ ID No:6);
5' TGTTCTACCACCTGAACTAGGC 3' (SEQ ID NO:7);
5' TTACATATGAGCCTTCCATG 3' (SEQ ID No:8);
5' AAGCTTGTTCTACCACCTGAACTAGGC 3' (SEQ ID No:9); and
5' TTACATATGAGCCTTCCATG 3' (SEQ ID No:10)

3. The kit as set forth in claim 1, wherein the means for determining the genetic polymorphism patterns include restriction enzyme digestion with restriction enzymes *NcoI*, *AvaI*, and *Bsu36I*.